Funder	Project Title	Funding	Institution
Brain & Behavior Research Foundation	Role of Serotonin Signaling during Neural Circuitry Formation in Autism Spectrum Disorders	$0	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Modeling Microglial Involvement in Autism Spectrum Disorders, with Human Neuro-glial Co-cultures	$30,000	Whitehead Institute for Biomedical Research
Brain & Behavior Research Foundation	A Novel Glial Specific Isoform of Cdkl5: Implications for the Pathology of Autism in Rett Syndrome	$60,000	University of Nebraska
Brain & Behavior Research Foundation	Understanding the Genetic Architecture of Rett Syndrome - an Autism Spectrum Disorder	$30,000	Cold Spring Harbor Laboratory
Brain & Behavior Research Foundation	Modeling Pitt-Hopkins Syndrome, an Autism Spectrum Disorder, in Transgenic Mice Harboring a Pathogenic Dominant Negative Mutation in TCF4	$0	University of North Carolina
Department of Defense - Army	Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$0	Nemours Children's Health System, Jacksonville
Department of Defense - Army	Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$0	Children's Hospital of Philadelphia
Autism Research Institute	Neuropathology of the Shank3 mouse model for autism	$0	University of Louisville
Autism Research Institute	A Quantitative Study of Pyramidal Cells and Interneurons in the Cerebral Cortex	$3,000	UNIVERSITY OF SOUTH CAROLINA
Autism Science Foundation	Calcium Channels as a Core Mechanism in the Neurobiology of ASD	$35,000	Massachusetts General Hospital
Autism Science Foundation	Mapping the Neurobehavioral Phenotype in Phelan McDermid Syndrome	$0	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Autism Science Foundation	The role of Shank3 in neocortex versus striatum and the pathophysiology of autism	$0	Duke University
Autism Science Foundation	Undergraduate Research Award	$3,000	Texas A&M University
Autism Speaks	Dissecting the 16p11.2 CNV endophenotype in induced pluripotent stem cells	$54,400	University of California, San Francisco
Autism Speaks	Pragmatic language and social-emotional processing in autism, fragile X, and the FMR1 premutation	$0	Northwestern University
Autism Speaks	Probing the Molecular Mechanisms Underlying Autism: Examination of Dysregulated Protein Synthesis	$0	National Institutes of Health
Autism Speaks	A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	$0	Boston Children's Hospital
Autism Speaks	Cell-type and circuit-specific functional deficits in cortex from gene disruptions linked to autism	$30,000	University of North Carolina
Autism Speaks	TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	$5,867	Case Western Reserve University
Autism Speaks	Testing the ribosomal protein S6 as treatment target and biomarker in autism spectrum disorders	$0	Cincinnati Children's Hospital
Autism Speaks	Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	$0	King's College London
National Institutes of Health	Cortactin and Spine Dysfunction in Fragile X	$33,763	University of California, Irvine
National Institutes of Health	Investigating the role of Tsc1 in neocortical circuit assembly	$52,406	STANFORD UNIVERSITY

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National Institutes of Health	Mechanisms underlying word learning in fragile X syndrome and nonsyndromic ASD	$156,333	University of California, Davis
National Institutes of Health	Effects of Social Gaze Training on Brain and Behavior in Fragile X Syndrome	$352,066	STANFORD UNIVERSITY
National Institutes of Health	THE ROLE OF MECP2 IN RETT SYNDROME	$356,699	University of California, Davis
National Institutes of Health	BDNF and the Restoration of Synaptic Plasticity in Fragile X and Autism	$455,630	University of California, Irvine
National Institutes of Health	Language Development in Fragile X Syndrome	$495,501	University of California, Davis
National Institutes of Health	Genotype-Phenotype Relationships in Fragile X Families	$633,789	University of California, Davis
National Institutes of Health	Longitudinal MRI Study of Brain Development in Fragile X	$769,619	STANFORD UNIVERSITY
National Institutes of Health	Astrocytes contribution to tuberous sclerosis pathology	$208,125	Yale University
National Institutes of Health	Development and afferent regulation of auditory neurons	$376,200	Florida State University
National Institutes of Health	Targeting the PI3K Enhancer PIKE to Reverse FXS-associated Phenotypes	$160,000	Emory University
National Institutes of Health	Imaging of protein synthesis and ubiquitination in fragile x syndrome	$195,000	Emory University
National Institutes of Health	Genetic Modifiers of Seizure Disorders in Fragile X Syndrome	$261,539	Emory University
National Institutes of Health	Tet-mediated Epigenetic Modulation in Autism	$603,129	Emory University
National Institutes of Health	A mouse model for AUTS2-linked neurodevelopmental disorders	$189,187	University of Illinois
National Institutes of Health	Chloride homeostasis and GABA maturation in fragile X syndrome	$231,750	Northwestern University
National Institutes of Health	A Family-Genetic Study of Autism and Fragile X Syndrome	$393,739	Northwestern University
National Institutes of Health	A Family-Genetic Study of Autism and Fragile X Syndrome	$597,808	Northwestern University
National Institutes of Health	Thalamocortical circuit defects in developmental brain disorders	$490,462	University of Maryland
National Institutes of Health	Dysregulation of Protein Synthesis in Fragile X Syndrome and Other Developmental Disorders	$1,221,847	National Institutes of Health
National Institutes of Health	A Novel Essential Gene for Human Cognitive Function	$35,474	Harvard University
National Institutes of Health	Analysis of MEF2 in Cortical Connectivity and Autism-Associated Behaviors	$56,042	McLean Hospital
National Institutes of Health	Neurobiological Mechanism of 15q11-13 Duplication Autism Spectrum Disorder	$380,625	BETH ISRAEL DEACONESS MEDICAL CENTER
National Institutes of Health	Neuronal Activity-Dependent Regulation of MeCP2	$600,383	Harvard University
National Institutes of Health	Neurotrophic Factor Regulation of Gene Expression	$618,134	Harvard University

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National Institutes of Health	MRI Biomarkers of Patients with Tuberous Sclerosis Complex and Autism	$727,821	CHILDREN'S HOSPITAL CORPORATION
National Institutes of Health	Novel candidate mechanisms of fragile X syndrome	$248,235	UNIVERSITY OF MICHIGAN
National Institutes of Health	Synaptic Phenotype, Development, and Plasticity in the Fragile X Mouse	$395,642	MICHIGAN STATE UNIVERSITY
National Institutes of Health	Mechanisms of Motor Skill Learning in the Fragile X Mouse Model	$300,434	University of Nebraska
National Institutes of Health	Identification of TSC cellular phenotypes using patient-derived iPSCs	$193,750	Rutgers University
National Institutes of Health	Dysregulation of mTOR Signaling in Fragile X Syndrome	$164,833	ALBERT EINSTEIN COLLEGE OF MEDICINE
National Institutes of Health	Dysregulation of mTOR Signaling in Fragile X Syndrome	$250,167	ALBERT EINSTEIN COLLEGE OF MEDICINE
National Institutes of Health	Translation, Synchrony, and Cognition	$380,953	New York University
National Institutes of Health	Role of UBE3A in the Central Nervous System	$321,269	University of North Carolina
National Institutes of Health	New Models For Astrocyte Function in Genetic Mouse Models of Autism Spectrum Diso	$396,250	CLEVELAND CLINIC LERNER COM-CWRU
National Institutes of Health	PPAR/SIRT1 PATHWAY IN C. ELEGANS	$22,740	Children's Hospital of Philadelphia
National Institutes of Health	Presynaptic Fragile X Proteins	$249,000	DREXEL UNIVERSITY
National Institutes of Health	Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation	$55,796	UNIVERSITY OF SOUTH CAROLINA
National Institutes of Health	Supplement to The Emergence and Stability of Autism in Fragile X Syndrome	$82,061	UNIVERSITY OF SOUTH CAROLINA
National Institutes of Health	Emergence and Stability of Autism in Fragile X Syndrome	$358,000	UNIVERSITY OF SOUTH CAROLINA
National Institutes of Health	FMRP and Pumilio co-regulate synaptogenesis by controlling Neuroglian expression	$27,480	Vanderbilt University
National Institutes of Health	mTOR modulation of myelination	$179,659	Vanderbilt University
National Institutes of Health	Genetic and Developmental Analyses of Fragile X Mental Retardation Protein	$383,322	Vanderbilt University
National Institutes of Health	FMRP regulates the pruning of cell-to-cell connections in the neocortex	$79,500	UT SOUTHWESTERN MEDICAL CENTER
National Institutes of Health	Mechanisms of mGluR5 function and dysfunction in mouse autism models	$410,720	UT SOUTHWESTERN MEDICAL CENTER
National Institutes of Health	Role of MEF2 and neural activity in cortical synaptic weakening and elimination	$388,354	UT SOUTHWESTERN MEDICAL CENTER
National Institutes of Health	Mechanisms underlying the Cerebellar Contribution to Autism in Mouse Models of Tuberous Sclerosis Complex	$190,458	UT SOUTHWESTERN MEDICAL CENTER
National Institutes of Health	Mechanisms and Rescue of Neural Circuit Dysfunction in Mecp2 Mutant Mice	$92,578	Baylor College of Medicine
National Institutes of Health	Translational Regulation of Adult Neural Stem Cells	$372,633	University of Wisconsin

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National Institutes of Health	Coordinate actions between methyl-CpG binding proteins in neuronal development	$226,585	University of Wisconsin
Simons Foundation	Rescuing synaptic and circuit deficits in an Angelman syndrome mouse model	$60,000	Arizona Board of Regents, University of Arizona
Simons Foundation	Rapid screening for cortical circuit dysfunction in autism-related mouse models	$0	University of California, Berkeley
Simons Foundation	Linking circuit dynamics and behavior in a rat model of autism	$0	University of California, San Francisco
Simons Foundation	Neurobiology of Rai1, a critical gene for syndromic ASDs	$87,500	The Board of Trustees of the Leland Stanford Junior University (Stanford)
Simons Foundation	Illuminating the role of glia in a zebrafish model of Rett syndrome	$62,500	The Regents of the University of California, San Diego
Simons Foundation	BAZ1B Haploinsufficiency and the Neuro-phenotypes of Williams Syndrome	$59,000	The Regents of the University of California, Santa Barbara
Simons Foundation	Role of GABA interneurons in a genetic model of autism	$0	Yale University
Simons Foundation	Dysregulation of mTor/Tsc in 22q11DS Autism Model	$62,500	GEORGE WASHINGTON UNIVERSITY
Simons Foundation	Dysregulation of Mdm2-mediated p53 ubiquitination in autism mouse models	$0	University of Illinois at Chicago
Simons Foundation	Potassium channels as therapeutic targets in autism	$60,000	Administrators of the Tulane Educational Fund
Simons Foundation	The Role of Glia in Fragile X Syndrome	$0	Johns Hopkins University
Simons Foundation	Probing synaptic receptor composition in mouse models of autism	$124,998	Boston Children's Hospital
Simons Foundation	Probing the neural basis of social behavior in mice	$0	Massachusetts Institute of Technology
Simons Foundation	Translational dysregulation in autism pathogenesis and therapy	$250,000	Massachusetts General Hospital
Simons Foundation	Motor cortex plasticity in MeCP2 duplication syndrome	$30,000	Baylor College of Medicine
Simons Foundation	Dendritic 'translatome' in fragile X syndrome and autism	$0	University of Michigan
Simons Foundation	Cortico-striatal dysfunction in the eIF4E transgenic mouse model of autism	$62,497	New York University
Simons Foundation	Neuronal translation in Tsc2+/- and Fmr1-/y mutant ASD mouse models	$62,500	The Trustees of Columbia University in the City of New York
Simons Foundation	Neural and cognitive discoordination in autism-related mouse models	$280,480	New York University
Simons Foundation	Multigenic basis for autism linked to 22q13 chromosomal region	$125,000	Hunter College of the City University of New York (CUNY) jointly with Research Foundation of CUNY
Simons Foundation	Characterizing 22q11.2 abnormalities	$62,498	Children's Hospital of Philadelphia
Simons Foundation	Linking genetic mosaicism, neural circuit abnormalities and behavior	$0	Brown University
Simons Foundation	Fragile X syndrome target analysis and its contribution to autism	$124,725	Vanderbilt University

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Simons Foundation	Mouse Model of Dup15q Syndrome	$32,635	Texas AgriLife Research
Simons Foundation	Mechanisms of synapse elimination by autism-linked genes	$0	University of Texas Southwestern Medical Center
Simons Foundation	Neural mechanisms underlying autism behaviors in SCN1A mutant mice	$100,000	University of Washington
Simons Foundation	MAGEL2, a candidate gene for autism and Prader-Willi syndrome	$105,977	University of Alberta
Simons Foundation	The role of UBE3A in autism: Is there a critical window for social development?	$54,450	Erasmus University Medical Center
Simons Foundation	16p11.2 rearrangements: Genetic paradigms for neurodevelopmental disorders	$100,000	University of Lausanne